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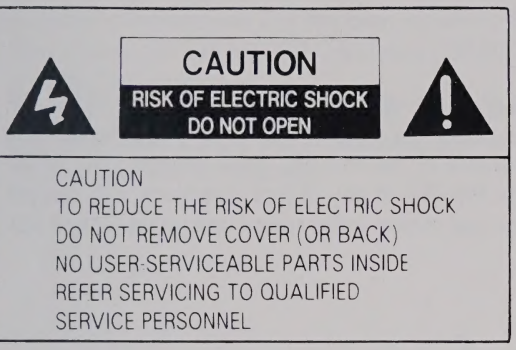
OUTDOOR PAN/TILT WITH CONTROL

PIH-301
PIH-301C

INSTRUCTION MANUAL

IMPORTANT SAFEGUARDS



GRAPHIC SYMBOL EXPLANATION

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit

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PAN/TILT UNIT

1 INSTALLATION

The PIH-301 is intended to be mounted on a PIH-301 Wall Mount. Installation of the pan and tilt drive to the wall mount requires a stainless steel 1/4-20 screw supplied with the wall mount. Note the ribs on the underside of the PIH-301 base engage slots in the PIH-301B This allows positioning of the PIH-301 in any of four directions with respect to the wall mount. Secure PIH-301 to the wall mount using screw from underside of wall mount into PIH-301 and tighten

2. WIRING OF UNIT

Fabricate the interconnecting cable in accordance with Figure 1. For proper operation.

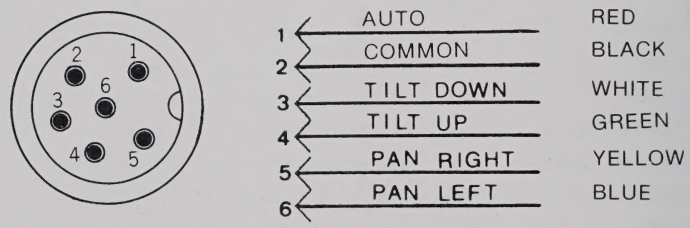

Figure 1
PIH-301: Cable Assembly Diagram

3. INVERTED MOUNTING

When the unit is mounted in the inverted position, the leftright directions are reversed for manual operation. This must be corrected when wiring the cable between control unit and the pan and tilt drive. Simply reverse leads going to terminals 3 and 4

4. ADJUSTING LIMIT STOPS

After cable is installed and unit has been mounted, proceed as follow:

1. Plug control unit into a 117VAC (optional 220VAC/24VAC) source. Be sure auto switch is in the OFF position.
2. To adjust pan limit stops (see Figure 2), loosen screws securing both stops(2) and (3) to unit. Slide stops around unit to desired locations and secure by tightening screws
3. Tilt limit stops are not adjustable.

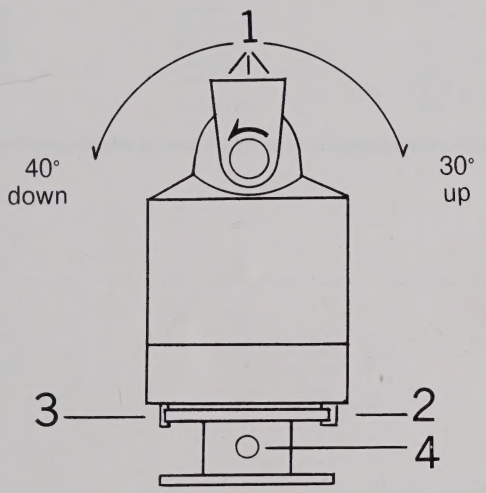

Figure 2
Limit Stop Adjustment and Camera Mounting Plate

PIH-301C Control

1. Camera Mounting Plate
2. Right Pan Limited Stop
3. Left Pan Limited Stop
4. 6pin Socket

5. MAINTENANCE

This pan and tilt drive requires no lubrication or maintenance for the life of the unit. If the unit fails to function, turn it off and check the fuse on the control unit. Replacement fuse values are given in the instructions supplied with the control unit.

CONTROLLER

1 FRONT/REAR PANEL

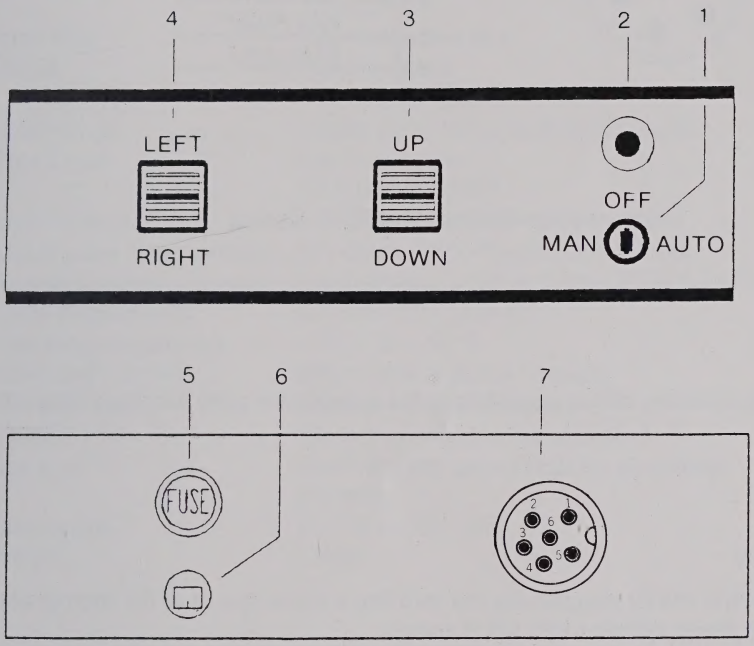

Fig. 3

1. Power/auto/manual
2. Indicator Lamp
3. Up/Down (switch 1)
4. Left/Right (switch 2)
5. Fuse
6. a.c. in
7. 6p-socket

2. WIRING OF PAN/TILT

Before connecting pan and tilt controls to the system, slide the module into the card cage or enclosure from front to back, guiding the line cord through first. To secure the module in place, loosen the screw on the retaining bracket located on the rear panel of the module, in the upper right corner. Slide the bracket up and tighten the screw

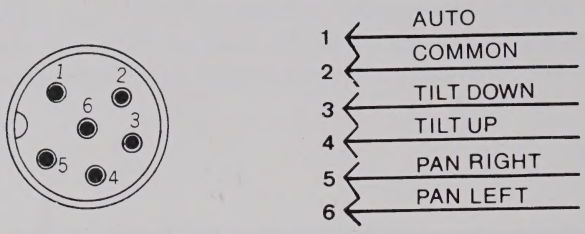

Figure 4
Interconnection Diagram, PIH-301C Control

Fabricate interconnecting cables according to the appropriate cable assembly diagram (Figures 4).

3. OPERATION

Energize the control unit by plugging the line cord into a power source of the appropriate voltage. The red power indicator light will illuminate.

4. PAN AND TILT

Pan is horizontal change in camera direction, moving the field of view to the left or right.
Tilt is a vertical change in camera direction, raising or lowering the field of view.
To pan or tilt the camera, move switches up/down and left/right. the switches control drives pan and tilt functions simultaneously.
To set the unit for automatic pan operation, Switch the AUTO mode. The unit now pans continuously between the preselected limits.
As manual pan functions (obtained by setting "MAN", and moving the switch 1 and switch 2 , While a direction of panning is instructed, running will be stopped automatically at the place of a limited stop.

SPECIFICATION

PIH-301 OUTDOOR PAN/TILT

Angular Travel	Pan:350° Tilt: ±60°
Limit Stop	Externally adjustable
Speed	Pan:6°/second Tilt:3°/second
Load Rating	Handle up to 38kgs (8 inch from center)
Duty Cycle	Pan:Continuous Tilt:Intermittent
Input Voltage	a.c. 24V/117V/230V
Motor power consumption	24V-6watt, 117V-15watt, 230V-15watt.
Normal Operating Current	24V-0.96Amp, 117V -0.3 Amp, 230V-0.2Amp
Cable Requirement	Six-conductor unshield
Operating temperature	−25°C to +60°C
Operating humidity	35% to 90% (Relative humidity)
Construction	Aluminum alloy die casting
Finish	Silver gray backed enamel finish
Seals	Quad ring and gasket seals for all-weather protection
Dimensions	277(H) x 196(ϕ)mm
Weight	7.5kgs

PIH-301C OUTDOOR PAN/TILT CONTROL

Control Buttons	AUTO/OFF/MANUAL, LEFT/RIGHT, UP/DOWN
Input Voltage	a.c. 24V/117V/230V,50Hz/60
Output Voltage	a.c. 24V/117V/230V,50Hz/60Hz
Enviroment Temperature Operating	−10°C to +60°C
Construction	Steel, with silver gray baked enamel finish
Dimensions	152(W) x 58(H) x 188(D)mm
Weight	1.25kgs

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